

B1  
perform clinical procedures. The system is preferably used in the heart to help the physician guide mapping catheters for measuring electrical activity, and ablation catheters for ablating selected regions of cardiac tissue, to desired locations within the heart.

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Please replace the paragraph at Page 13, lines 3-10, with the following:

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B2  
Another localization system useful in connection with the present invention is an ultrasound localization system described in U.S. Patent No. 6,216,027, entitled SYSTEM FOR ELECTRODE LOCALIZATION USING ULTRASOUND. A preferred embodiment of the present invention will be described with reference to this ultrasound localization system. It is important to note, however, that the scope of the invention is not limited to systems in which ultrasound localization is used.

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Please replace the Paragraph at Page 57, line 12 through Page 58, line 4, with the following:

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B3  
After confirming that the catheter is in contact with the wall, the user provides input to the system indicating that the catheter is in contact with the wall of a specified chamber. The operator can use a variety of methods to determine whether the probe is in contact with the endocardial surface. One such method involves observing the probe on the fluoroscope (or viewing an un-gated representation of the probe on the localization system display), simultaneously observing the patient's EKG, and determining whether the probe is pulsing with the patient's EKG. The user may also evaluate contact between the probe and the endocardial surface by feeling mechanical resistance as the catheter is advanced. Alternatively, if the probe is provided with mapping electrodes, contact with the endocardial surface may also be confirmed by monitoring EP signals from the mapping electrode(s). Rapid deflection of the EP signals indicates contact between the electrode and the endocardium. The EP signals may be monitored visually on an EP display or automatically by the system as set forth in detail in U.S. Patent No. 5,820,568, assigned to Cardiac Pathways Corporation and entitled APPARATUS AND